

AD-A201 318

INTERIM REPORT

TASK ANALYSIS OF THE UH-60 MISSION AND DECISION RULES
FOR DEVELOPING A UH-60 WORKLOAD PREDICTION MODEL

VOLUME III: FUNCTION DECISION RULES APPENDIXES F AND G

PREPARED FOR:
U.S. ARMY RESEARCH INSTITUTE AVIATION
RESEARCH AND DEVELOPMENT ACTIVITY
FORT RUCKER, ALABAMA

DECEMBER 1987

DTIC
ELECTE
OCT 26 1988
S D
E

This document has been approved
for public release and sale its
distribution is unlimited.



PREPARED BY:

ANACAPA SCIENCES, INC.
MILITARY PROGRAMS

P. O. BOX 489
FT. RUCKER, ALABAMA 36362
(205) 598-6326

88 1025 037

UNCLASSIFIED

FOR ANNOUNCEMENT ONLY

ADA201318

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

1a. REPORT SECURITY CLASSIFICATION Unclassified		1b. RESTRICTIVE MARKINGS --	
2a. SECURITY CLASSIFICATION AUTHORITY --		3. DISTRIBUTION / AVAILABILITY OF REPORT For announcement only	
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE --		5. MONITORING ORGANIZATION REPORT NUMBER(S) ARI Announcement A 88-37	
4. PERFORMING ORGANIZATION REPORT NUMBER(S) --		5. MONITORING ORGANIZATION REPORT NUMBER(S) ARI Announcement A 88-37	
6a. NAME OF PERFORMING ORGANIZATION Anacapa Sciences, Inc.	6b. OFFICE SYMBOL (if applicable)	7a. NAME OF MONITORING ORGANIZATION U.S. Army Research Institute Field Unit at Fort Rucker, Alabama	
6c. ADDRESS (City, State, and ZIP Code) P.O. Box 489 Fort Rucker, AL 36362-5000		7b. ADDRESS (City, State, and ZIP Code) Attn: PERI-IR Fort Rucker, AL 36362-5354	
8a. NAME OF FUNDING / SPONSORING ORGANIZATION U.S. Army Research Institute	8b. OFFICE SYMBOL (if applicable) PERI	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER MDA903-87-C-0523	
8c. ADDRESS (City, State, and ZIP Code) 5001 Eisenhower Avenue Alexandria, VA 22333-5600		10. SOURCE OF FUNDING NUMBERS	
		PROGRAM ELEMENT NO. 5.30.07	PROJECT NO. A793
		TASK NO. 1.3.2	WORK UNIT ACCESSION NO. 1.3.2.C6
11. TITLE (Include Security Classification) Task Analysis of the UH-60 Mission and Decision Rules for Developing a UH-60 Workload Prediction Model; Volume III: Function Decision Rules, Appendixes F&G			
12. PERSONAL AUTHOR(S) Carl R. Bierbaum, Sandra M. Szabo, and Theodore B. Aldrich			
13a. TYPE OF REPORT Interim Report	13b. TIME COVERED FROM 12-86 TO 12-87	14. DATE OF REPORT (Year, Month, Day) 1988, October	15. PAGE COUNT 127
16. SUPPLEMENTARY NOTATION Charles A. Gainer, contracting officer's representative and technical monitor			
17. COSATI CODES		18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)	
FIELD	GROUP	SUB-GROUP	
		Man-Machine Interface, Task Analysis	
		Mission Analysis Modeling	
		Aviator Workload	
19. ABSTRACT (Continue on reverse if necessary and identify by block number) A composite scenario was used to conduct a comprehensive task analysis of the mission of the UH-60. The analysis used a top-down approach to identify the phases, functions, and tasks for the mission. Nine phases, 34 segments, 48 functions, and 138 tasks were identified. The crewmember performing each task was identified, and estimates of the sensory, cognitive, and psychomotor workload associated with the tasks were derived. Estimates of the task times were also derived. The mission/task analysis data were used to develop a computer model of UH-60 crewmember workload. The model used a bottom-up approach to build mission functions from tasks, and mission segments from functions. Decision rules were written to specify the procedures for combining the tasks into functions, and the functions into segments. The model permitted an analysis of total workload experienced by each crewmember in the performance of both sequential and concurrent tasks, as well.			
20. DISTRIBUTION / AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED/UNLIMITED <input type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS		21. ABSTRACT SECURITY CLASSIFICATION Unclassified	
22a. NAME OF RESPONSIBLE INDIVIDUAL Charles A. Gainer		22b. TELEPHONE (Include Area Code) 205/255-4404	22c. OFFICE SYMBOL PERI-IR

DD Form 1473, JUN 86

Previous editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE

FOR ANNOUNCEMENT ONLY

i

UNCLASSIFIED

Interim Report

TASK ANALYSIS OF THE UH-60 MISSION AND DECISION RULES
FOR DEVELOPING A UH-60 WORKLOAD PREDICTION MODEL

Volume III: Function Decision Rules Appendixes F and G

Prepared by:

Carl R. Bierbaum
Anacapa Sciences, Inc.
Fort Rucker, Alabama

Sandra M. Szabo
Anacapa Sciences, Inc.
St. Louis, Missouri

and

Theodore B. Aldrich
Anacapa Sciences, Inc.
Fort Rucker, Alabama

Prepared for:

U.S. Army Research Institute Aviation
Research and Development Activity
Fort Rucker, Alabama

December 1987

TASK ANALYSIS OF THE UH-60 MISSION AND DECISION RULES
FOR DEVELOPING A UH-60 WORKLOAD PREDICTION MODEL

Volume III: Function Decision Rules Appendixes F and G

CONTENTS

Page

Appendix F. UH-60 FUNCTION SUMMARY WORKSHEETS	F-1
Appendix G. UH-60 FUNCTION DECISION RULES WORKSHEETS	G-1

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By <u>APL</u>	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
<u>A-121</u>	



APPENDIX F

UH-60 FUNCTION SUMMARY WORKSHEETS

This appendix contains the Function Summary Worksheets for each of the 48 functions. The summary worksheets identify and list the tasks to be performed by each crewmember. For each crewmember, separate columns are used to identify discrete fixed, discrete random, and continuous tasks. The spatial arrangement of the tasks on the worksheet corresponds roughly to the temporal sequence of the tasks.

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 01 Adjust Flight Parameters

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
	Control Attitude (020)		
	Check Altimeter (Inflight) (012)		
	Adjust Attitude (013)		
	Check Airspeed Indicator (Inflight) (008)		
	Control Airspeed (007)		
	Check % TRQ Indicator (Inflight) (138)		
	Adjust Power (108)		
	Check Heading Indicator (Inflight) (068)		
	Adjust Heading (066)		
	Check Trim Ball (Inflight) (132)		
	Adjust Trim (131)		
	Maintain Obstacle Clearance (101)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 02 Adjust Flight Parameters [NVG]

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
	Control Altitude [NVG] (021)			
	Check Altimeter (Inflight) (012)			
	Adjust Altitude [NVG] (015)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed [NVG] (009)			
	Check % TRQ Indicator (Inflight) (138)			
	Adjust Power [NVG] (109)			
	Check Heading Indicator (Inflight) (068)			
	Adjust Heading [NVG] (069)			
	Check Trim Ball (Inflight) (132)			
	Continued...			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 02 Adjust Flight Parameters [NVG] [Continued]

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
	Adjust Trim [NVG] (133) Maintain Obstacle Clearance [NVG] (103)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 03 Check Aircraft Systems

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Check Engine Instruments (054) Check MASTER CAUTION/WARNING Panel (083) Check Fuel Quantity Indicator (060)			Check Engine Instruments (054) Check MASTER CAUTION/WARNING Panel (083) Check Fuel Quantity Indicator (060)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 04 Compute Fuel Burn Rate

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Check Fuel Quantity Indicator (060) Note Time (127) Compute Consumption Rate (031)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 05 Establish Approach

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check % TRQ Indicator (Inflight) (138)	Control Attitude (020)			
Adjust Power (108)	Check Vertical Situation Indicator (Inflight) (137)			
Check % TRQ Indicator (Inflight) (138)	Control Rate of Descent (116)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed (007)			
	Check Heading Indicator (Inflight) (068)			
	Control Heading (067)			
	Control Drift (050)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 06 Establish Approach [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check % TRQ Indicator (Inflight) (138)	Control Attitude [NVG] (021)			
Adjust Power [NVG] (109)	Check Vertical Situation Indicator (Inflight) (137)			
Check % TRQ Indicator (Inflight) (138)	Control Rate of Descent [NVG] (117)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed [NVG] (009)			
	Check Heading Indicator (Inflight) (068)			
	Control Heading [NVG] (070)			
	Control Drift [NVG] (051)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 07 Establish Climb

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Check % TRQ Indicator (Inflight) (138)	Control Attitude (020)				
Adjust Power (108)	Check Vertical Situation Indicator (Inflight) (137)				
Check % TRQ Indicator (Inflight) (138)	Control Rate of Climb (114)				
	Check Airspeed Indicator (Inflight) (006)				
	Control Airspeed (007)				
	Check Heading Indicator (Inflight) (068)				
	Control Heading (067)				

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 08 Establish Climb [NVG]

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check % TRQ Indicator (Inflight) (138)	Control Attitude [NVG] (021)			
Adjust Power [NVG] (109)	Check Vertical Situation Indicator (Inflight) (137)			
Check % TRQ Indicator (Inflight) (138)	Control Rate of Climb [NVG] (115)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed [NVG] (009)			
	Check Heading Indicator (Inflight) (068)			
	Control Heading [NVG] (070)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 09 Establish Level of Flight

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check % TRQ Indicator (Inflight) (138)	Control Attitude (020)		Check Fuel Quantity Indicator (060)	
Adjust Power (108)	Check Altimeter (Inflight) (012)		Note Time (127)	
Check % TRQ Indicator (Inflight) (138)	Control Attitude (014)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed (007)			
	Check Heading Indicator (Inflight) (068)			
	Control Heading (067)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 10 Establish Level of Flight [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check % TRQ Indicator (Inflight) (138)	Control Altitude [NVG] (021)		Check Fuel Quantity Indicator (060)	
Adjust Power [NVG] (109)	Check Altimeter (Inflight) (012)		Note Time (127)	
Check % TRQ Indicator (Inflight) (138)	Control Altitude [NVG] (016)			
	Check Airspeed Indicator (Inflight) (008)			
	Control Airspeed [NVG] (009)			
	Check Heading Indicator (Inflight) (068)			
	Control Heading [NVG] (070)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 11 Land Aircraft

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Perform Touchdown (128)	Maintain Obstacle Clearance (101)			Check Obstacle Clearance (100)	
	Adjust Power (108)				
	Control Attitude (020)				
	Control Heading (067)				
	Control Drift (050)				

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 12 Land Aircraft [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Perform Touchdown [NVG] (129)	Maintain Obstacle Clearance [NVG] (103)			Check Obstacle Clearance [NVG] (102)	
	Adjust Power [NVG] (109)				
	Control Altitude [NVG] (021)				
	Control Heading [NVG] (070)				
	Control Drift [NVG] (051)				

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 13 Load Aircraft (Internal)

PILOT			COPLOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Monitor Loading (081) Verify Load Secure (080) Check Doors (039)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 14 Load Cargo (External)

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	CONTINUOUS
Check % TRQ Indicator (Inflight) (138)		Set Cargo Release Switch (024)	
Adjust Power (108)		Set EMER REL Switch (052)	
Check % TRQ Indicator (Inflight) (138)			Evaluate Hand Signals (062)
	Control Altitude (014)		
	Control Altitude (020)		
	Control Heading (067)		
	Control Drift (050)		
Verify Load Hook-up (073)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 15 Load Cargo (External) [NVG]

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)
Check % TRQ Indicator (Inflight) (138)			Set Cargo Release Switch (024)
Adjust Power [NVG] (109)			Set EMER REL Switch (052)
Check % TRQ Indicator (Inflight) (138)		Evaluate Hand Signals [NVG] (063)	
	Control Altitude [NVG] (016)		
	Control Altitude [NVG] (021)		
	Control Heading [NVG] (070)		
Verify Load Hook-up [NVG] (074)	Control Drift [NVG] (051)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 16 Mission Change

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Note Message Alert (090) Set Transmitter Selector Switch (130) Transmit Acknowledgment (002) Copy Coordinates (033) Transmit Acknowledgment (002) Check Coordinates (032) Check Route (120)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 17 Monitor Audio

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
		Monitor Audio (022)			Monitor Audio (022)

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 18 Monitor Threat

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Check Direction Display (038);			Check Direction Display (038)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 19 Perform After Landing Check

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Set TAIL WHEEL Switch (122) Check Tailwheel Advisory Light (121) Check Radios (113)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 20 Perform Before Landing Check

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Check Tailwheel Advisory Light (121)	
			Check Radios (113)	
			Check Park Brake (104)	
			Set Radar Jamming Control Switch (112)	
			Set Infrared Countermeasure Switch (072)	
			Set Chaff Dispenser ARM Switch (025)	
			Check Crew (036)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 21 Perform Before Landing Check (LZ)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Check Tailwheel Advisory Light (121)	
			Check Radios (113)	
			Check Park Brake (104)	
			Set Radar Jamming Control Switch (112)	
			Set Infrared Countermeasure Switch (072)	
			Set Chaff Dispenser ARM Switch (025)	
			Check Load Secure (079)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 22 Perform Before Takeoff Check

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check Power Levers (111)			
Check Fuel Quantity Indicator (060)			
Monitor Engine Instruments (055)			
Check Flight Instruments (056)			
Check Master CAUTION/WARNING Panel (083)			
Check % TRQ Indicator (Inflight) (138)			
Perform Power Check (110)			
Check Radios (113)		Set Radar Jamming Control Switch (112)	
		Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 22 Perform Before Takeoff Check [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Set Infrared Countermeasure Switch (072) Set Chaff Dispenser ARM Switch (025) Check Crew (036)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 23 Perform Before Takeoff Check (Fly Through)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Check Power Levers (111) Monitor Engine Instruments (055) Check Flight Instruments (056) Check Master CAUTION/WARNING Panel (083) Set Radar Jamming Control Switch (112) Set Infrared Countermeasure Switch (072) Set Chaff Dispenser ARM Switch (025) Check Crew (036) Check Radios (113)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 24 Perform Before Taxi Check (FARP)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Release Park Brake (105)			Set TAIL WHEEL Switch (122) Check Tailwheel Advisory Light (121)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 25 Perform Cockpit Communication (Copilot)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Receive Communication (Pilot) (029) Transmit Communication (Pilot) (030)			Transmit Communication (Copilot) (028) Receive Communication (Copilot) (027)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 26 Perform Cockpit Communication (Pilot)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Transmit Communication (Pilot) (030)			Receive Communication (Copilot) (027)		
Receive Communication (Pilot) (029)			Transmit Communication (Copilot) (028)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 28 Perform External Communication (Threat)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Transmitter Selector Switch (130)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Transmit Message (Brief) (089)	
			Receive Acknowledgment (001)	
			Transmit Message (088)	
			Receive Acknowledgment (001)	
			Set Doppler Display Selector Switch (043)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 28 Perform External Communication (Threat)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Transmitter Selector Switch (130)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Transmit Message (Brief) (089)	
			Receive Acknowledgment (001)	
			Transmit Message (088)	
			Receive Acknowledgment (001)	
			Set Doppler Display Selector Switch (043)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 29 Perform Hover

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
Adjust Power (108) Check % TRQ Indicator (Inflight) (138)	Control Altitude (014) Control Altitude (020) Control Heading (067) Control Drift (050) Maintain Obstacle Clearance (101)		Check Obstacle Clearance (100)

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 30 Perform Hover [NVG]

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Adjust Power [NVG] (109)	Control Altitude [NVG] (016)			
Check % TRQ Indicator (Inflight) (138)				
	Control Altitude [NVG] (021)			Check Obstacle Clearance [NVG] (102)
	Control Heading [NVG] (070)			
	Control Drift [NVG] (051)			
	Maintain Obstacle Clearance [NVG] (103)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 31 Perform Navigation

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
				Monitor Doppler Display (042) Read Maps (082) Follow Course (034)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 32 Perform Navigation [NVG]

PILOT				COPILLOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
				Monitor Doppler Display (042) Read Maps (082) Follow Course [NVG] (035)	

FUNCTION 33 Perform Taxi

F-36

FUNCTION 34 Perform Taxi [NVGI]

F-37

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Doppler Mode Switch (046)	
			Check Doppler Panel Lights (047)	
			Set Doppler Mode Switch (046)	
			Check Doppler Display (041)	
			Set Doppler Mode Switch (046)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Spheroid Data (048)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler KYBD Key (044)	
			Enter Doppler Magnetic Variation (045)	
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Zone Data (049)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Magnetic Variation (045)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Press Doppler Data Entry Key (040)		
			Set Doppler Display Selector Switch (043)		
			Set DEST DISP Thumbwheel (037)		
			Press Doppler KYBD Key (044)		
			Set DEST DISP Thumbwheel (037)		
			Press Doppler Data Entry Key (040)		
			Press Doppler KYBD Key (044)		
			Press Doppler KYBD Key (044)		
			Press Doppler KYBD Key (044)		
			Enter Doppler Magnetic Variation (045)		
			Continued...		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Magnetic Variation (045)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Magnetic Variation (045)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler Data Entry Key (040)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Press Doppler Data Entry Key (040)		
			Set FLY-TO-DEST Switch (057)		
			Set Doppler Display Selector Switch (043)		
			Press Doppler KYBD Key (044)		
			Press Doppler Data Entry Key (040)		
			Set FLY-TO-DEST Switch (057)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 36 Program Transponder

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Master Switch (084)	
			Set Mode 1 Code (091)	
			Set Mode 3A Code (092)	
			Check Test Light (124)	
			Check Test/MON Light (125)	
			Check Reply Light (119)	
			Set ANT Switch (019)	
			Set Master Switch (084)	
			Set M-1 Test Switch (095)	
			Set M-1 Switch (094)	
			Set M-2 Test Switch (097)	
			Set M-2 Switch (096)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 36 Program Transponder [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Set M-3 Test Switch (099)		
			Set M-3 Switch (098)		
			Set M-C Test Switch (086)		
			Set M-C Switch (085)		
			Set ANT Switch (019)		
			Set M-1 Test Switch (095)		
			Set M-1 Switch (094)		
			Set M-2 Test Switch (097)		
			Set M-2 Switch (096)		
			Set M-3 Test Switch (099)		
			Set M-3 Switch (098)		
			Set M-C Test Switch (086)		
			Continued...		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 36 Program Transponder [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set M-C Switch (085)	
			Set ANT Switch (019)	
			Set M-1 Test Switch (095)	
			Set M-1 Switch (094)	
			Set M-2 Test Switch (097)	
			Set M-2 Switch (096)	
			Set M-3 Test Switch (099)	
			Set M-3 Switch (098)	
			Set M-C Test Switch (066)	
			Set M-C Switch (085)	
			Set Mode 4 Switch (093)	
			Set M-1 Switch (094)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 36 Program Transponder [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Set M-2 Switch (096) Set M-3 Switch (098) Set M-C Switch (085)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 37 Refuel Aircraft

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Set Park Brake (106)			Set TAILWHEEL Switch (122)		
Monitor Fuel Quantity Indicator (061)			Check Tailwheel Advisory Light (121)		
Check Refueling Complete (118)			Set Park Brake Lever (107)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 33 Respond to Threat

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Detect Threat (126)	Perform Hard Turns (064) Change Altitude Sharply (017) Change Airspeed Quickly (010)		Detect Threat (126) Press Chaff Dispenser Switch (026) Set Target Storage Switch (123) Check Infrared Countermeasure Light (071)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 39 Respond to Threat [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Detect Threat (126)	Perform Hard Turns [NVG] (065) Change Altitude Sharply [NVG] (018) Change Airspeed Quickly [NVG] (011)		Detect Threat (126) Press Chaff Dispenser Switch (026) Set Target Storage Switch (123) Check Infrared Countermeasure Light (071)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 40 Unload Aircraft (Internal)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Monitor Unloading (134) Verify Unloading Complete (135) Check Doors (039)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 41 Unload Cargo (External)

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
Verify Load on Ground (075)			
Press Cargo Release Button (023)			
Verify Load Released (077)			

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 42 Unload Cargo (External) [NVG]

PILOT				COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Verify Load on Ground [NVG] (076)					
Press Cargo Release Button (023)					
Verify Load Released [NVG] (078)					

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 43 Update Doppler (Landmark)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Check Heading Indicator (Inflight) (068)			Set DEST DISP Thumbwheel (037)	
Maneuver Aircraft Across Landmark (003)			Set Doppler Display Selector Switch (043)	
			Press Doppler KYBD Key (044)	
			Read Maps (082)	
			Enter UTM Coordinates (136)	
			Read Maps (082)	
			Verify Aircraft Location (005)	
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 44 Update Doppler (Landmark) [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
Check Heading Indicator (Inflight) (068)			Set DEST DISP Thumbwheel (037)	
Maneuver Aircraft Across Landmark [NVG] (004)			Set Doppler Display Selector Switch (043)	
			Press Doppler KYBD Key (044)	
			Read Maps (082)	
			Enter UTM Coordinates (136)	
			Read Maps (082)	
			Verify Aircraft Location [NVG] (006)	
			Press Doppler Data Entry Key (040)	
			Set Doppler Display Selector Switch (043)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 45 Update Doppler (Mission Change)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Doppler Mode Switch (046)	
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Zone Data (049)	
			Press Doppler KYBD Key (044)	
			Enter UTM Coordinates (136)	
			Press Doppler Data Entry Key (040)	
			Set FLY-TO-DEST Switch (057)	
			Continued...	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 45 Update Doppler (Mission Change) [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Doppler Display Selector Switch (043)	
			Set DEST DISP Thumbwheel (037)	
			Press Doppler KYBD Key (044)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Spheroid Data (048)	
			Press Doppler KYBD Key (044)	
			Enter Doppler Magnetic Variation (045)	
			Check Doppler Display (041)	
			Set Doppler Display Selector Switch (043)	
			Set FLY-TO-DEST Switch (057)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 46 Update Doppler (PZ)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Press Doppler KYBD Key (044) Press Doppler Data Entry Key (040) Set FLY-TO-DEST Switch (057)		

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 47 Update Doppler (Stored Destination)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Doppler Display Selector Switch (043)	
			Read Maps (082)	
			Verify Aircraft Location (005)	
			Press Doppler KYBD Key (044)	
			Press Doppler Data Entry Key (040)	
			Set FLY-TO-DEST Switch (057)	

UH-60 FUNCTION SUMMARY WORKSHEET

FUNCTION 4E Update Doppler (Stored Destination) [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Set Doppler Display Selector Switch (043) Read Maps (082) Verify Aircraft Location [NVG] (006) Press Doppler KYBD Key (044) Press Doppler Data Entry Key (040) Set FLY-TO-DEST Switch (057)	

APPENDIX G

UH-60 FUNCTION DECISION RULES WORKSHEETS

Once the Function Summary Worksheets (see Appendix F) were completed for each function, decision rules were written to describe the exact manner in which the tasks must be combined to form the function. Decision rules for discrete fixed tasks and continuous tasks simply state the start time and the duration of the task on the function timeline. In addition to duration, the decision rules for discrete random tasks state the probability and/or frequency of the random task's occurrence within the function. This appendix contains the 48 function decision rules.

UH-60 FUNCTION DECISION RULES

FUNCTION 01 Adjust Flight Parameters

PILOT			COPILOT		
DISCRETE: (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Randomly select Tasks 007, 013, 020, 066, 101, 108, and 131 at .5-second intervals for the duration required for the segment. 25 times during the function, randomly select Task 008, 012, 068, 132, and 138 (.20 probability). Tasks 008, 012, 068, 132 and 138 last 1 second each. Interrupt Tasks 007, 013, 020, 066, 101, 108, and 131 when Task 008, 012, 068, 132, or 138 occurs. Standby .5 second				

UH-60 FUNCTION DECISION RULES

FUNCTION 02 Adjust Flight Parameters [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	<p>Randomly select Tasks 009, 015, 021, 069, 103, 109, and 133 at 1-second intervals for the duration required for the segment.</p> <p>25 times during the function, randomly select Task 008, 012, 068, 132, and 138 (.20 probability). Tasks 008, 012, 068, 132 and 138 last 1 second each. Interrupt Tasks 009, 015, 021, 069, 103, 109, and 133 when Task 008, 012, 068, 132, or 138 occurs.</p> <p>Standby .5 second</p>				

UH-60 FUNCTION DECISION RULES

FUNCTION 03 Check Aircraft Systems

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 054 for 5 seconds</p> <p>Task 083 for 1 second</p> <p>Task 060 for 3 seconds</p> <p>Standby .5 second</p>			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 054 for 5 seconds</p> <p>Task 083 for 1 second</p> <p>Task 060 for 3 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 04 Compute Fuel Burn Rate

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Program in sequence, the following tasks (include a .5-second delay between tasks): Task 060 for 3 seconds Task 127 for 7 seconds Task 031 for 30 seconds	

UH-60 FUNCTION DECISION RULES

FUNCTION 05 Establish Approach*

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 138 for 1 second Task 108 for 1 second Task 138 for 1 second	4.5 seconds after Function 05 begins, randomly select (.20 probability) Tasks 007, 020, 050, 067, and 116 at .5-second intervals. Continue for 229.5 seconds. 4.5 seconds after Function 05 begins, 9 times randomly select Tasks 008, 068, and 137 (.33 probability). Tasks 008, 068, and 137 last 1 second each. Interrupt Tasks 007, 020, 050, 067, and 116 when Task 008, 068, or 137 occurs. Standby .5 second				

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 06 Establish Approach [NVG]*

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 109 for 2 seconds</p> <p>Task 138 for 1 second</p>	<p>5.5 seconds after Function 06 begins, randomly select (.20 probability) Tasks 009, 021, 051, 070, and 117 at 1-second intervals. Continue for 329 seconds.</p> <p>5.5 seconds after Function 06 begins, 9 times randomly select Tasks 008, 068, and 137 (.33 probability). Tasks 008, 068, and 137 last 1 second each. Interrupt Tasks 009, 021, 051, 070, and 117 when Task 008, 068, or 137 occurs.</p> <p>Standby .5 second</p>			

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 07 Establish Climb*

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 108 for 1 second</p> <p>Task 138 for 1 second</p>	<p>4.5 seconds after Function 07 begins, randomly select (.25 probability) Tasks 007, 020, 067, and 114 at .5-second intervals. Continue for 25.5 seconds.</p> <p>4.5 seconds after Function 07 begins, 3 times randomly select Tasks 008, 068, and 137 (.33 probability). Tasks 008, 068 and 137 last 1 second each. Interrupt Tasks 007, 020, 067, and 114 when Task 008, 068, or 137 occurs.</p> <p>Standby .5 second</p>		

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 08 Establish Climb [NVG]*

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 109 for 2 seconds</p> <p>Task 138 for 1 second</p>	<p>5.5 seconds after Function 08 begins, randomly select (.25 probability) Tasks 009, 021, 070, and 115 at 1-second intervals. Continue for 85 seconds.</p> <p>5.5 seconds after Function 08 begins, 3 times randomly select Tasks 008, 068, and 137 (.33 probability). Tasks 008, 068, and 137 last 1 second each. Interrupt Tasks 009, 021, 070, and 115 when Task 008, 068, or 137 occurs.</p> <p>Standby .5 second</p>			

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 09 Establish Level of Flight*

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 108 for 1 second</p> <p>Task 138 for 1 second</p>	<p>4.5 seconds after Function 09 begins, randomly select (.25 probability) Tasks 007, 014, 020, and 067 at .5-second intervals. Continue for 123.5 seconds.</p> <p>4.5 seconds after Function 09 begins, 6 times randomly select Tasks 008, 012, or 068 (.33 probability). Tasks 008, 012, and 068 last 1 second each. Interrupt Tasks 007, 014, 020, and 067 when Task 008, 012, or 068 occurs.</p> <p>Standby .5 second</p>		<p>Program in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 060 for 3 seconds</p> <p>Task 127 for 7 seconds</p>	

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 10 Establish Level of Flight [NVG]*

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 109 for 2 seconds</p> <p>Task 138 for 1 second</p>	<p>5.5 seconds after Function 10 begins, randomly select (.25 probability) Tasks 009, 016, 021, and 070 at 1-second intervals. Continue for 186 seconds.</p> <p>5.5 seconds after Function 10 begins, 3 times randomly select Tasks 008, 012, and 068 (.33 probability). Tasks 008, 012, and 068 last 1 second each. Interrupt Tasks 009, 016, 021, and 070 when Task 008, 012, or 068 occurs.</p> <p>Standby .5 second</p>		<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 060 for 3 seconds</p> <p>Task 127 for 7 seconds</p>	
				CONTINUOUS

*Programmer may prefer to divide the function into subgroups for ease of coding.

UH-60 FUNCTION DECISION RULES

FUNCTION 11 Land Aircraft

PILOT		COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>After 10 seconds, program Task 128 for 3 seconds.</p> <p>Standby .5 second</p>	<p>Randomly alternate (.20 probability) Tasks 020, 050, 067, 101 and 108 at .5-second intervals. Continue for 9.5 seconds.</p>			<p>5 times during the first 10 seconds, randomly select Task 100. Task 100 lasts 1 second.</p>

UH-60 FUNCTION DECISION RULES

FUNCTION 12 Land Aircraft [NVG]

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Randomly alternate (.20 probability) Tasks 021, 051, 070, 103, and 109 at 1-second Intervals. Continue for 38 seconds.</p> <p>After 38.5 seconds, program Task 129 for 5 seconds.</p> <p>Standby .5 second</p>			<p>7 times during the first 38 seconds, randomly select Task 102. Task 102 lasts 3 seconds.</p>

UJH-60 FUNCTION DECISION RULES

FUNCTION 13 Load Aircraft (Internal)

PILOT			COPILCT	
DISCRETE: (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 081 for 60 seconds</p> <p>Task 080 for 30 seconds</p> <p>Task 039 for 5 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 14 Load Cargo (External)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
3 seconds after Function 14 begins, program, in sequence, the following tasks (include a .5-second delay between tasks): Task 138 for 1 second Task 108 for 1 second Task 128 for 1 second			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 024 for 1 second Task 052 for 1 second	
.5 second after Task 062 ends, program Task 073 for 1 second. Standby .5 second	4.5 seconds after Function 14 begins, randomly select (.25 probability) Tasks 014, 020, 050, and 067 at .5-second intervals. Continue for 237 seconds.	4.5 seconds after Function 14 begins, program Task 062 for 237 seconds.		

UH-60 FUNCTION DECISION RULES

FUNCTION 15 Load Cargo (External) [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 138 for 1 second</p> <p>Task 109 for 2 seconds</p> <p>Task 138 for 1 second</p> <p>.5 second after Task 063 ends, program Task 074 for 2 seconds.</p> <p>Standby .5 second</p>	<p>4.5 seconds after Function 15 begins, randomly select (.25 probability) Tasks 016, 021, 051, and 070 at 1-second intervals. Continue for 335 seconds.</p>	<p>4.5 seconds after Function 15 begins, program Task 063 for 335 seconds.</p>	<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 024 for 1 second</p> <p>Task 052 for 1 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 16 Mission Change

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 090 for 2 seconds</p> <p>Task 130 for 1 second</p> <p>Task 002 for 3 seconds</p> <p>Task 033 for 12 seconds</p> <p>Task 002 for 3 seconds</p> <p>Task 032 for 10 seconds</p> <p>Task 120 for 40 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 17 Monitor Audio

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
		Program Task 022 for the duration of the segment in which Function 17 occurs.			Program Task 022 for the duration of the segment in which Function 17 occurs.

UH-60 FUNCTION DECISION RULES

FUNCTION 18 Monitor Threat

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Program Task 038 for 3 seconds. Standby .5 second			Program Task 038 for 3 seconds. Standby .5 second		

UH-60 FUNCTION DECISION RULES

FUNCTION 19 Perform After Landing Check

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 122 for 1 second</p> <p>Task 121 for 1 second</p> <p>Task 113 for 7 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 20 Perform Before Landing Check

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 121 for 1 second</p> <p>Task 113 for 7 seconds</p> <p>Task 104 for 1 second</p> <p>Task 112 for 1 second</p> <p>Task 072 for 1 second</p> <p>Task 025 for 1 second</p> <p>Task 013 for 5 seconds</p> <p>Standby .5 seconds</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 21 Perform Before Landing Check (LZ)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 121 for 1 second</p> <p>Task 113 for 7 seconds</p> <p>Task 104 for 1 second</p> <p>Task 112 for 1 second</p> <p>Task 072 for 1 second</p> <p>Task 025 for 1 second</p> <p>Task 079 for 10 seconds</p> <p>Standby .5 seconds</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 22 Perform Before Takeoff Check

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 111 for 1 second</p> <p>Task 060 for 3 seconds</p> <p>Task 055 for 5 seconds</p> <p>Task 056 for 5 seconds</p> <p>Task 083 for 1 second</p> <p>Task 138 for 1 second</p> <p>Task 110 for 20 seconds</p> <p>Task 113 for 7 seconds</p> <p>Standby .5 second</p>		<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 112 for 1 second</p> <p>Task 072 for 1 second</p> <p>Task 025 for 1 second</p> <p>Task 036 for 5 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 23 Perform Before Takeoff Check (Fly Through)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 111 for 1 second Task 055 for 5 seconds task 056 for 5 seconds Task 083 for 1 second Task 112 for 1 second Task 072 for 1 second Task 025 for 1 second Task 036 for 5 seconds Task 113 for 7 seconds Standby .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 24 Perform Before Taxi Check (FARP)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Program Task 103 for 1 second Standby 1 second			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 122 for 1 second Task 121 for .5 second Standby .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 25 Perform Cockpit Communication (Copilot)

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 029 for 3 seconds Task 030 for 3 seconds Standby .5 second			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 028 for 3 seconds Task 027 for 3 seconds Standby .5 second		

UH-60 FUNCTION DECISION RULES

FUNCTION 26 Perform Cockpit Communication (Pilot)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 030 for 3 seconds</p> <p>Task 029 for 3 seconds</p> <p>Standby .5 second</p>			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 027 for 3 seconds</p> <p>Task 028 for 3 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 27 Perform External Communication

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 130 for 1 second Task 089 for 2 seconds Task 087 for 5 seconds Task 002 for 2 seconds Standby .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 28 Perform External Communication (Threat)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 130 for 1 second</p> <p>Task 043 for 2 seconds</p> <p>Task 037 for 5 seconds</p> <p>Task 089 for 2 seconds</p> <p>Task 001 for 2 seconds</p> <p>Task 088 for 10 seconds</p> <p>Task 001 for 2 seconds</p> <p>Task 043 for 2 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 29 Perform Hover

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 108 for 1 second</p> <p>Task 138 for 1 second</p>	<p>3 seconds after Function 29 begins, randomly select (.20 probability) Tasks 014, 020, 050, 067, and 101 at .5-second intervals. Continue for 116.5 seconds.</p> <p>Standby .5 second</p>		<p>25 times during Function 29, randomly select Task 100. Task 100 lasts 1 second.</p>
			CONTINUOUS

UH-60 FUNCTION DECISION RULES

FUNCTION 30 Perform Hover [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 109 for 2 seconds</p> <p>Task 138 for 1 second</p>	<p>4 seconds after Function 30 begins, randomly select (.20 probability) Tasks 016, 021, 051, 070, and 103 at .5-second intervals. Continue for 215 5 seconds.</p> <p>Standby .5 second</p>			<p>35 times during Function 30, randomly select Task 102. Task 102 lasts 3 seconds.</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 31 Perform Navigation

PILOT				COPILOT	
DISCRETE: (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
				Randomly select (.33 probability) Tasks 034, 042, or 082 for the duration of the segment in which Function 31 occurs. Tasks 034 and 042 last 4 seconds each; Task 082 lasts 10 seconds. Interrupt any ongoing task when the function ends.	

UH-60 FUNCTION DECISION RULES

FUNCTION 32 Perform Navigation [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
				Randomly select (.33 probability) Tasks 035, 042, or 082 for the duration of the segment in which Function 32 occurs. Tasks 035 and 042 last 4 seconds each; Task 082 lasts 10 seconds. Interrupt any ongoing task when the function ends.

UH-60 FUNCTION DECISION RULES

FUNCTION 33 Perform Taxi

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Randomly select (.33 probability) Tasks 058 067, and 101 at .5-second intervals. Continue for 120 seconds. Standby .5 second			25 times during Function 33, randomly select Task 100. Task 100 lasts 1 seconds.	

UH-60 FUNCTION DECISION RULES

FUNCTION 34 Perform Taxi [NVG]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
	Randomly select (.33 probability) Tasks 059 070, and 103 at .5-second intervals. Continue for 180 seconds. Standby .5 second			30 times during Function 34, randomly select Task 102. Task 102 lasts 3 seconds.	

UH-60 FUNCTION DEFINITION RULES

FUNCTION 35 Program Doppler

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 046 for 1 second</p> <p>Task 047 for 2 seconds</p> <p>Task 046 for 1 second</p> <p>Task 041 for 18 seconds</p> <p>Task 046 for 1 second</p> <p>Task 043 for 2 seconds</p> <p>Task 037 for 5 seconds</p> <p>Task 044 for 1 second</p> <p>Task 044 for 1 second</p> <p>Task 048 for 10 seconds</p> <p>Task 044 for 1 second</p> <p>Task 045 for 10 seconds</p> <p>Continued...</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 049 for 8 seconds	
			Task 044 for 1 second	
			Task 136 for 12 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 045 for 10 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 136 for 12 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 045 for 10 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 136 for 12 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 045 for 10 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 136 for 12 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 045 for 10 seconds	
			Task 040 for 1 second	
			Task 043 for 2 seconds	
			Task 037 for 5 seconds	
			Task 044 for 1 second	
			Task 037 for 5 seconds	
			Task 040 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 044 for 1 second	
			Task 136 for 12 seconds	
			Task C40 for 1 second	
			Task 057 for 5 seconds	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 35 Program Doppler [Continued]

PILOT				COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Task 043 for 2 seconds Task 044 for 1 second Task 040 for 1 second Task 057 for 5 seconds		

UH-60 FUNCTION DECISION RULES

FUNCTION 36 Program Transponder

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 084 for 2 seconds</p> <p>Task 091 for 5 seconds</p> <p>Task 092 for 10 seconds</p> <p>Task 124 for .5 second</p> <p>Task 125 for .5 second</p> <p>Task 119 for .5 second</p> <p>Task 019 for 1 second</p> <p>Task 084 for 2 seconds</p> <p>Task 095 for 2 seconds</p> <p>Task 094 for 1 second</p> <p>Task 097 for 2 seconds</p> <p>Task 096 for 1 second</p> <p>Continued...</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 36 Program Transponder [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 099 for 2 seconds	
			Task 098 for 1 second	
			Task 086 for 2 seconds	
			Task 085 for 1 second	
			Task 019 for 1 second	
			Task 095 for 2 seconds	
			Task 094 for 1 second	
			Task 097 for 2 seconds	
			Task 096 for 1 second	
			Task 099 for 2 seconds	
			Task 098 for 1 second	
			Task 086 for 1 second	
			Task 085 for 2 seconds	
			Task 019 for 1 second	
			Task 095 for 2 seconds	
			Continued...	

UH-60 FUNCTION DECISION RULES

FUNCTION 36 Program Transponder [Continued]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			Task 094 for 1 second Task 097 for 2 seconds Task 096 for 1 second Task 099 for 2 seconds Task 098 for 1 second Task 086 for 2 seconds Task 085 for 1 second Task 093 for 2 seconds Task 094 for 1 second Task 096 for 1 second Task 098 for 1 second Task 085 for 1 second Standby .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 37 Refuel Aircraft

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 106 for 2 seconds</p> <p>Task 061 for 300 seconds</p> <p>Task 118 for 3 seconds</p> <p>Standby .5 second</p>			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 122 for 1 second</p> <p>Task 121 for 1 second</p> <p>Task 107 for 2 seconds</p> <p>Standby 302 seconds</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 38 Respond to Threat

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Program Task 126 for 3 seconds.	.5 second after Task 126 ends, randomly select (.33 probability) Tasks 010, 017, and 064 at 3-second intervals. Continue for 30 seconds. Standby .5 second		Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 126 for 3 seconds Task 026 for .5 second Task 123 for 1 second Task 071 for .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 33 Respond to Threat [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
Program Task 126 for 3 seconds.	.5 second after Task 126 ends, randomly select (.33 probability) Tasks 011, 018, and 065 at 4-second intervals. Continue for 40 seconds. Standby .5 second		Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 126 for 3 seconds Task 026 for .5 second Task 123 for 1 second Task 071 for .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 40 Unload Aircraft (Internal)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 134 for 10 seconds</p> <p>Task 135 for 5 seconds</p> <p>Task 039 for 5 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 41 Unload Cargo (External)

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 075 for 2 seconds</p> <p>Task 023 for 1 second</p> <p>Task 077 for 2 seconds</p> <p>Standby .5 second</p>			

FUNCTION 42 Unload Cargo (External) [NVG]

PILOT		COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	DISCRETE (FIXED)	DISCRETE (RANDOM)
Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 076 for 3 seconds Task 023 for 1 second Task 078 for 3 seconds Standby .5 second			

UH-60 FUNCTION DECISION RULES

FUNCTION 43 Update Doppler (Landmark)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 068 for 1 second</p> <p>Task 003 for 240 seconds</p>			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 037 for 5 seconds</p> <p>Task 043 for 2 seconds</p> <p>Task 044 for 1 second</p> <p>Task 082 for 10 seconds</p> <p>Task 136 for 12 seconds</p> <p>.5 second after Task 003 ends, program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 082 for 10 seconds</p> <p>Task 005 for 40 seconds</p> <p>Task 040 for 1 second</p> <p>Task 043 for 2 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 4A Update Doppler (Landmark) [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 068 for 1 second</p> <p>Task 004 for 240 seconds</p>			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 037 for 5 seconds</p> <p>Task 043 for 2 seconds</p> <p>Task 044 for 1 second</p> <p>Task 082 for 10 seconds</p> <p>Task 136 for 12 seconds</p> <p>.5 second after Task 004 ends, program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 082 for 10 seconds</p> <p>Task 006 for 40 seconds</p> <p>Task 040 for 1 second</p> <p>Task 043 for 2 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 45 Update Doppler (Mission Change)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 046 for 1 second</p> <p>Task 043 for 2 seconds</p> <p>Task 037 for 5 seconds</p> <p>Task 044 for 1 second</p> <p>Task 044 for 1 second</p> <p>Task 049 for 8 seconds</p> <p>Task 044 for 1 second</p> <p>Task 136 for 12 seconds</p> <p>Task 040 for 1 second</p> <p>Task 057 for 5 seconds.</p> <p>Task 043 for 2 seconds</p> <p>Task 037 for 5 seconds</p> <p>Continued...</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 45 Update Doppler (Mission Change) [Continued]

PILOT			COPILOT		
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS
			Task 044 for 1 second		
			Task 044 for 1 second		
			Task 048 for 10 seconds		
			Task 044 for 1 second		
			Task 045 for 10 seconds		
			Task 041 for 1 second		
			Task 043 for 2 seconds		
			Task 057 for 5 seconds		
			Standby .5 second		

UH-60 FUNCTION DECISION RULES

FUNCTION 46 Update Doppler (PZ)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 044 for 1 second</p> <p>Task 040 for 1 second</p> <p>Task 057 for 5 seconds</p> <p>Standby .5 second</p>	

UH-60 FUNCTION DECISION RULES

FUNCTION 47 Update Doppler (Stored Destination)

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	CONTINUOUS
			Program, in sequence, the following tasks (include a .5-second delay between tasks): Task 043 for 2 seconds Task 082 for 10 seconds Task 005 for 40 seconds Task 044 for 1 second Task 040 for 1 second Task 057 for 5 seconds Standby .5 second	

UH-60 FUNCTION DECISION RULES

FUNCTION 48 Update Doppler (Stored Destination) [NVG]

PILOT			COPILOT	
DISCRETE (FIXED)	DISCRETE (RANDOM)	CONTINUOUS	DISCRETE (FIXED)	DISCRETE (RANDOM)
			<p>Program, in sequence, the following tasks (include a .5-second delay between tasks):</p> <p>Task 043 for 2 seconds</p> <p>Task 082 for 10 seconds</p> <p>Task 006 for 40 seconds</p> <p>Task 044 for 1 second</p> <p>Task 040 for 1 second</p> <p>Task 057 for 5 seconds</p> <p>Standby .5 second</p>	